



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Attorney Docket No.: Poly-48APP

Applicants: Stephen ARNOLD et al.

Serial No.: 10/735,247

Filing Date: December 12, 2003

Title: USING A CHANGE IN ONE OR MORE PROPERTIES OF LIGHT IN ONE

OR MORE MICROSPHERES FOR SENSING CHEMICALS SUCH AS

EXPLOSIVES AND POISON GASES

Examiner: Not yet assigned

Group Art Unit: 2877

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

SIR:

Information Disclosure Statement Transmittal

The applicants respectfully request that the references listed on the attached PTO/SB/08A be considered in the examination of the above-identified application. A copy of each of these references, except for U.S. patents and patent application publications is enclosed. (See the notice, "Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications Filed After June 30, 2003," Pre-OG Notices (July 11, 2003).)

The applicants reserve the right to establish that any of the references listed on the attached PTO/SB/08A are not prior art to the above-captioned application.

Since a first Office Action on the merits has not yet been received, the applicants assume that this Information Disclosure Statement should be considered under 37 C.F.R. §§ 1.97(b)(3). Accordingly, it is believed that no fee is due. If, however, an Office Action on the merits has been mailed before the filing date of this Information Disclosure Statement, the Office is authorized to charge any fee required to have the Information Disclosure Statement considered to the deposit account of Straub & Pokotylo, deposit account number 50-1049.

Respectfully submitted,

Dated: April 19, 2005

John C. Pokotylo, Attorney

Reg. No. 36,242 Customer No. 26479 (732) 542-9070

STRAUB & POKOTYLO 620 Tinton Avenue Bldg. B, 2nd Floor Tinton Falls, NJ 07724-3260

CERTIFICATE OF MAILING under 37 C.F.R. 1.8(a)

I hereby certify that this correspondence is being deposited on April 19, 2005 with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria (VA 22313-1450.

John C. Pokotylo

36,242 Reg. No.

| (modified PTO/SB/08A) | | | IPE |
|---|---|--------------------------|--------------|
| U.S. Department of Commerce Patent and Trademark Office | | <u>Complete if Known</u> | 0. |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | Application Number: Filing Date: First Named Inventor: Group Art Unit: Examiner Name: | December 12, 2003 | APR 2 2 2005 |

Poly-48APP

Attorney Docket No.:

2

of

Sheet

| | | | U.S. PA | ATENT DOCUMENTS | |
|---|--|--|--|--|--|
| Examiner Initials* | Cite No. ¹ | U.S. Patent Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines where relevant Passages or Figures appear |
| /AS/ | AJ | 4,169,804 | 10/02/1979 | YAPEL, Jr. | |
| 000 | AK | 5,231,533 | 07/27/1993 | GONOKAMI et al. | |
| | AL | 5,496,997 | 03/05/1996 | POPE | |
| | AM | 5,786,219 | 07/28/1998 | ZHANG et al. | |
| | AN | 6,266,459 | 07/24/2001 | WALT et al. | |
| | AO | 6,389,197 | 05/14/2002 | ILTCHENKO et al. | |
| \sqrt{Z} | AP | US 2002/0080842 A1 | 06/27/2002 | AN et al. | |
| Initials* No.¹ /AS/ AJ AK AL AM AN AO AP AQ /AS/ AR | 6,389,197 | 05/14/2002 | ILTCHENKO et al. | | |
| /AS/ | | 6,583,399 | 06/24/2003 | HUNZIKER et al. | |
| | | | | | TO SECRETARIO SECRETAR |
| | 1 | | | | CONTRACTOR |
| | | | | THE PROPERTY OF THE PROPERTY O | 900 |
| | <u> </u> | | | THE CONTROL OF THE CO | |
| | | | | THE STATE OF THE S | |
| | | | | THE PROPERTY OF THE PROPERTY O | |
| | | | | | |
| | | | - CONTRACTOR CONTRACTO | | |
| | | THE REAL PROPERTY AND ADDRESS OF THE PERTY ADDRESS OF THE PERTY ADDRESS OF THE PERTY AND ADDRESS OF THE PERTY ADDR | | | |
| | | | | | |
| | | and the same of th | | | |
| CONTRACTOR | - | | | | |

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Office ³ Number ⁴ | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Té |
|--|--------------------------|--|--|--|---|-----------------|
| | | | | | 20000000000000000000000000000000000000 | ODEROGEOGEOGEOS |
| | | | | | 300 500 650 650 650 650 650 650 650 650 6 | |
| | | | 20000000 | | | |
| | | | COORSIONORSIONICANO CONTRACTOR CO | | | |
| | | STOCKED STOCKE | | | | |
| ************************************** | S2020000000 | l | | | | |

| Examiner | /Arlen Soderquist/ | Date | 02/25/2008 | |
|-----------|--------------------|------------|------------|--|
| Signature | • | Considered | | |

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached kinds of U.S. Patent Documents. 3 Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16, if possible. 6 Applicant is to place a check mark here if English language translation is attached.

(modified PTO/SB/08A)

| , | (modified i ic | noon oonly | | | | | |
|---|----------------|------------|---|---|----------------------|-------------------|---------|
| | | | | nt of Com rademark | | Complete if Known | OIPE |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Application Number: Filing Date: First Named Inventor: Group Art Unit: Examiner Name: | 10/735,247 December 12, 2003 Stephen ARNOLD 2877 Not yet assigned | APR 2 2 2005 | | |
| Γ | Sheet | 2 | of | 2 | Attorney Docket No.: | Poly-48APP | ANTIO . |

| | OTHER REFERENCES. NON BATENT LITTER ATTURE ROCCIMENTS | |
|--|---|--|
| Cite | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, | T ² |
| No.1 | | 1 |
| BA | Vollmer, Frank; Arnold, Stephen; Braun, Dieter; Teraoka, Iwao; "Multiplexed DNA | |
| | Quantification by Spectroscopic Shift of Two Microsphere Cavities," Biophysical Journal, Volume 85, September 2003 (1974-1979). | |
| BB | Cai, Ming: Hunziker, Guido: Vahala, Kerry: "Fiber-Optic Ad-Drop Device Based on a | |
| | Silica Microsphere-Whispering Gallery Mode System," IEEE Photonics Technology Letters, Volume 11, No. 6, (June, 1999) | |
| | | AN EXPERIENCE |
| | | |
| | | |
| | | |
| | | |
| | | |
| A STATE OF THE PARTY OF THE PAR | | |
| | No.1 | No. serial, symposium, catalog, etc.), date, page(s), volume, issue number(s), publisher, country, where published, source BA Vollmer, Frank; Arnold, Stephen; Braun, Dieter; Teraoka, Iwao; "Multiplexed DNA Quantification by Spectroscopic Shift of Two Microsphere Cavities," Biophysical Journal, Volume 85, September 2003 (1974-1979). BB Cai, Ming; Hunziker, Guido; Vahala, Kerry; "Fiber-Optic Ad-Drop Device Based on a Silica Microsphere-Whispering Gallery Mode System," IEEE Photonics Technology |

Examiner Signature /Arlen Soderquist/ Date Considered 02/25/2008

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. 2 Applicant is to place a check mark here if English language translation is attached.